

22" Video Screen

user manual v1.0



video



photo



audio

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WELCOME

Thank you for purchasing [22" Video Screen](#).

The 22" Video Screen is one of a range of products we offer specific to the heritage marketplace. We are confident that we have other products you will find useful and look forward to dealing with you again soon.

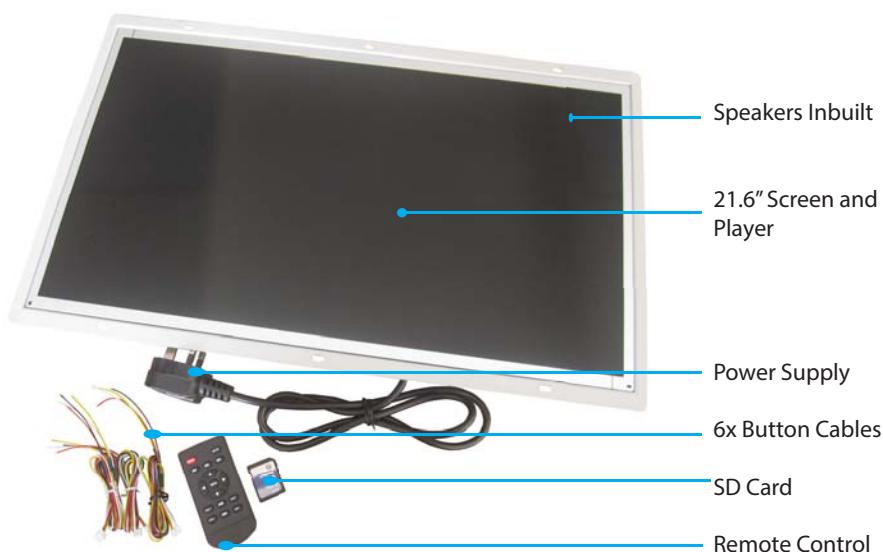
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1.WHAT IS THE 22VS

22VS is an all in one digital media player and screen. It's used to display and distribute media communication, videos and images in a small compact manner. Thanks to the open frame design and inbuilt mounting wings it can be built into signage or other such installations. The 22VS supports a wide range of digital media files which are stored on an SD card. A remote is also supplied for easy player control, it can be looping or use up to 4 buttons to activate content not including 2 volume buttons.

2.WHAT YOU GET



3.FEATURES

Media Format Compatibility	<i>Image:</i> JPEG, BMP <i>Audio:</i> MP3, WMA, AAC, OGG <i>Video:</i> MPEG-1, MPEG-2, AVI
Media Storage and Playback Source	High Speed Compact Flash (CF) Card High Speed Secure Digital (SD) Card USB 2.0 Drive (Thumb Drive/Flash Drive)
Playback Modes	<i>Audio Playback</i> Video with Music or Picture with Background Music
On-Screen Display Languages	English Chinese Japanese
Image Slideshow Playback	<i>Picture Rotation</i> Portrait-Vertical or Landscape-Horizontal <i>Slideshow Transitions</i> 14 Different Transition Effects Slide Intervals: 1 to 60 seconds

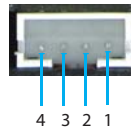
4.SETUP INSTRUCTIONS

4.1 CONNECT SPEAKERS

The 22VS is supplied with 2 inbuilt speakers located in the rear. There is also an audio out which can be used highlighted in the image to the right;

4.2 CONNECT/WIRE BUTTONS

If you wish to use button activated content attach the required amount of buttons using the button wires supplied to the appropriate button inputs.



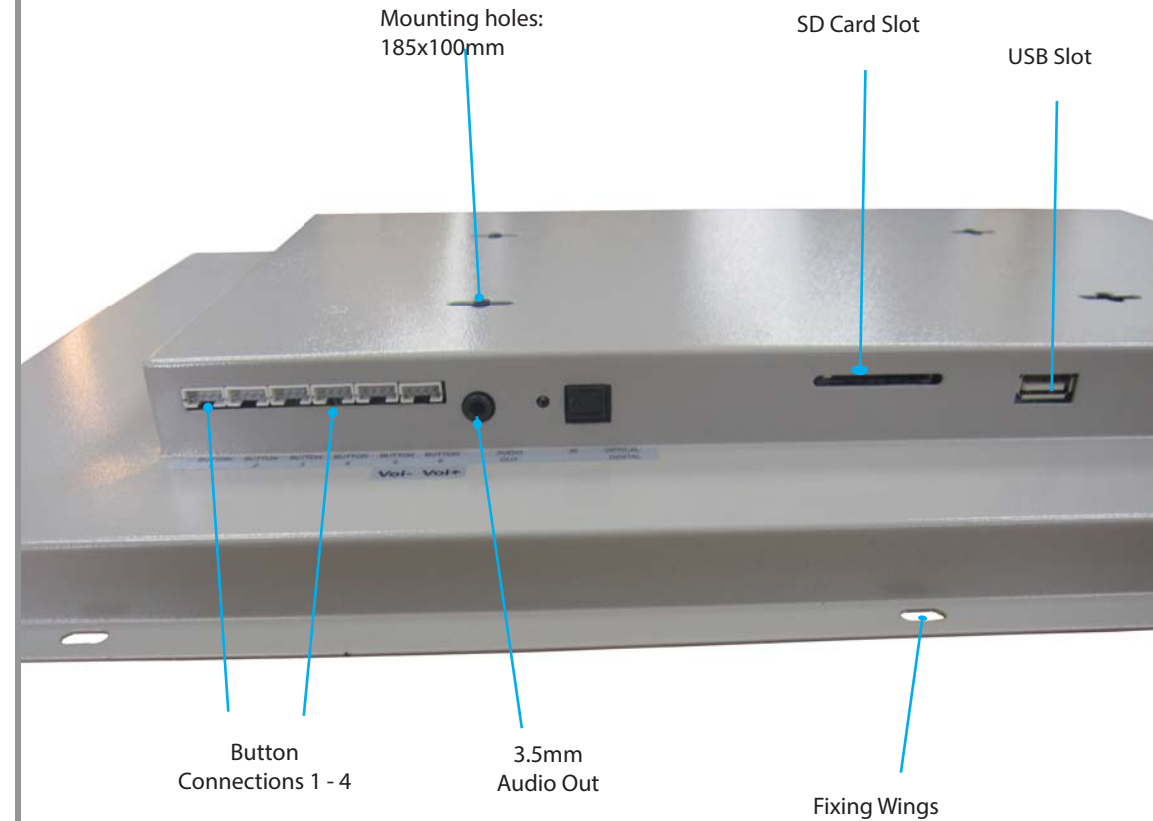
- 1 - + 12v
 - 2 - Button (no)
 - 3 - Button (com)
 - 4 - 0v
- LED

4.3 INSERT SD CARD OR USB

See Programming Instructions for information on how to program your SD Card or USB. Once programmed place them into the appropriate slots;

4.4 MOUNTING THE SCREEN

The screen can be mounted via the fixing holes located around the frame or via the mounting holes located on the rear;



5.FORMATS

An SDHC card or USB can be used as the storage medium for the 22VS. The card must be formatted to FAT 32.

Converting your video Content

Before putting the content onto the SD card or USB it needs to be in the right format as listed below, for reformatting instructions see 'Reformatting' section.

5.1 MEDIA REQUIREMENTS

Video	Category	Format	Maximum Resolution	Maximum Video Bitrate
	MP4	MP4/AVI	1920x1080 30fps	20Mbit/s
	MPG/MPEG	MPG,MPE	1920x1080 30fps	20Mbit/s
	MKV	H.264, MPEG1,2,4	1920x1080 30fps	20Mbit/s
Photo	Sub Type	Codec	Maximum Resolution	Size
	JPG Baseline	YUV400 YUV420 YUV422 YUV440 YUV444	8000x8000	No Limit
Audio	Category	Codec	Sample Rate	Bitrate
	MP2 MP3 PCM (wav) AC3 WMA	MP2 MP3 PCM (wav) AC3 WMA	8-320KHz	32Kbps - 448Kbps

5.2 Optimal Playback

Image Playback

For optimal image playback we recommend images be 1920 x 1080 pixels at 300 DPI and saved as a jpeg.

Video Playback

For optimal video playback it is recommended that your video is 1920 x 1080 pixels and runs at a frame rate of 30 frames per second in MP4 Format.

Audio Playback

For optimal audio playback it is recommended that your audio file is of MP3 format and has a bit rate of 44.1Khz

6.REMOTE CONTROL










A remote control is supplied with the 22VS, this enables you to set a range of functions which are explained over the next few pages.

To access the menu press the 'Menu' button on the remote. Please note the IR sensor is located on the rear base of the unit next to the 'power in' cable.

To exit press the 'Exit' button.



6.1 REMOTE CONTROL BUTTONS

POWER	Turn the power on or off
MUTE	Mute the audio
	Fast-forward
	Fast-rewind
	PLAY/PAUSE
	Move the pointer up (Pop up control menu when playing)
	Move the pointer left
	Move the pointer right
	Move the pointer down (Pop up control menu when playing)
MENU	Enter setting menu
VOL+	Volume up
VOL-	Volume down
	Next item when playing
	Previous item when playing
EXIT	Escape from the menu and playing state
DEL	Delete video/image files via pop up menu.



6.2 SCREEN SETTINGS

If you would like to adjust the screen settings such as brightness, contrast, colour or backlight you can adjust these here:

Menu > Screen Set >

7.PROGRAMMING CONTENT

Once you have edited and converted your video or images into the correct format you will need to put them onto an SDHC card/USB. The way you store content (in folders) will determine how it is activated.

1. The included SD Card is a pre-loaded template (it comes with each folder already set-up) If you are not using a button you must delete the folder. To use other SDHC cards make sure they are formatted to FAT32 first, then create the appropriate folders.

2. Each folder represents a button, except '00' - This is for looping content.

00 - Looping folder (content in here plays automatically on startup on loop)
01 - Button 1, 02 - Button 2 , 03 - Button 3 , 04 - Button 4

3. Put your converted video or images within each folder, **name them 00, 01, 02 etc. for the order you want them to play when the button is pressed** (for single files in each folder they can be named anything).

Example looping folder (button folders are the same)



Within the above configuration the player will play: video 00.mpg, image 001, image 002 and then loop back video 00 until somebody presses a button.

Note: The looping folder is designed to be used for creating an attractor screen (image/video).

When a button is pressed, every file in that folder will be played, then the 22VS will return to the looping folder.

8.TIMER POWER SETUP

A useful feature of the 22VS is that you can programme it to power up and turn off at a set time each day.

Menu> Time Set > enter in the details using arrow buttons </> to change digits then v/^ to change detail. Once correct exit the time set.

If you would like the screen to turn On/Off at a set time go into Timer1 Set
Menu> Time Set > Timer 1 Set > select the option eg everyday / Mon-Fri / Sat-Sun. You can set your on and off times.

It is possible to set multiple on/off times.

Eg Mon - Fri 9am on 5pm off. Sat-Sun 10am on 3pm off.

Once confirmed click exit to return.

9.SLIDESHOW OPTIONS

The player will play a slide show of images. The order will be in name order.

Eg: Within the root of folder 00 put the files:

01.jpg, 02.jpg, 03.jpg, 04.jpg, 05.jpg

The player will scroll through these images and then loop back to the start.

Image Transitions/ Timings

Menu > Preferences > Photo Slide Mode > You can select the image transition

Menu > Preferences > Photo Show Time > You can select the image time.

Selections range between 5-150 seconds

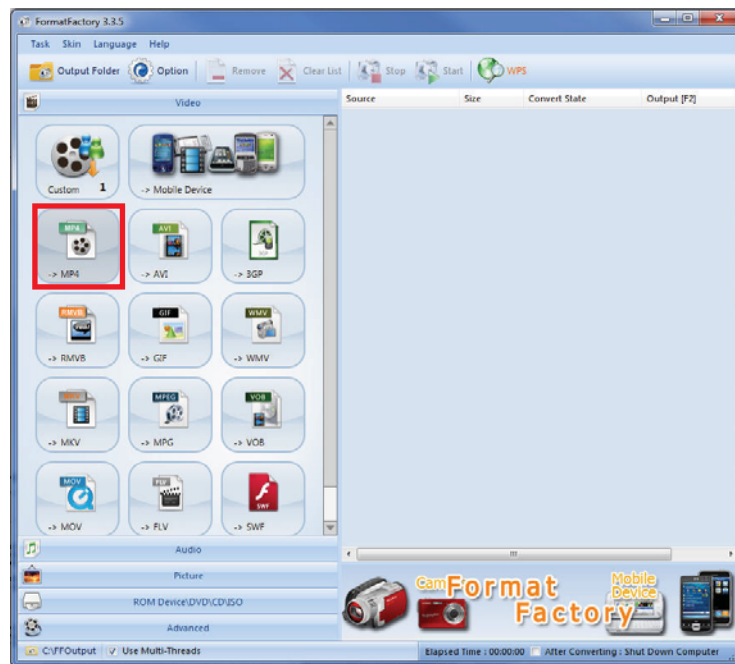
10. REFORMATTING INSTRUCTIONS

If your video content isn't in the correct format to play on the 22VS then you will need to reformat it as follows;

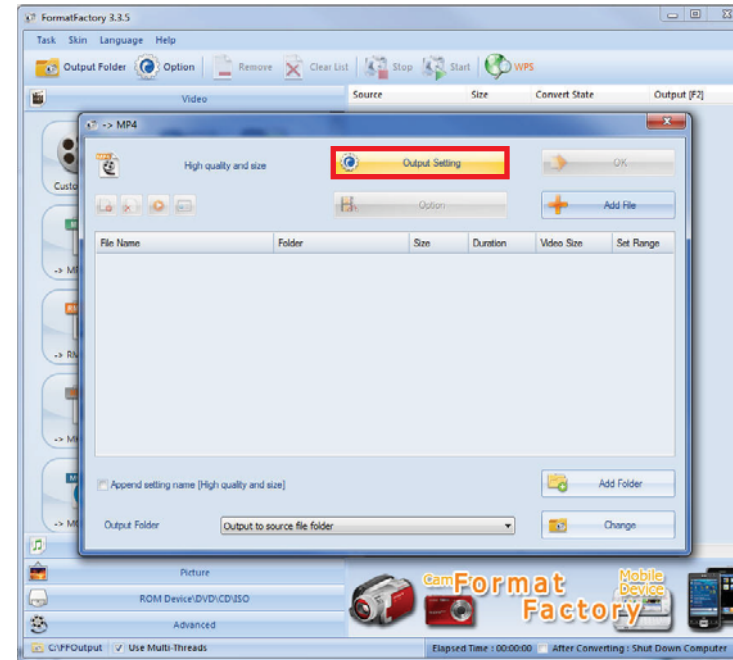
Step 1) Download Format Factory

Format Factory is a free convertor tool for Windows - it can be downloaded from here: <http://www.formatoz.com/>

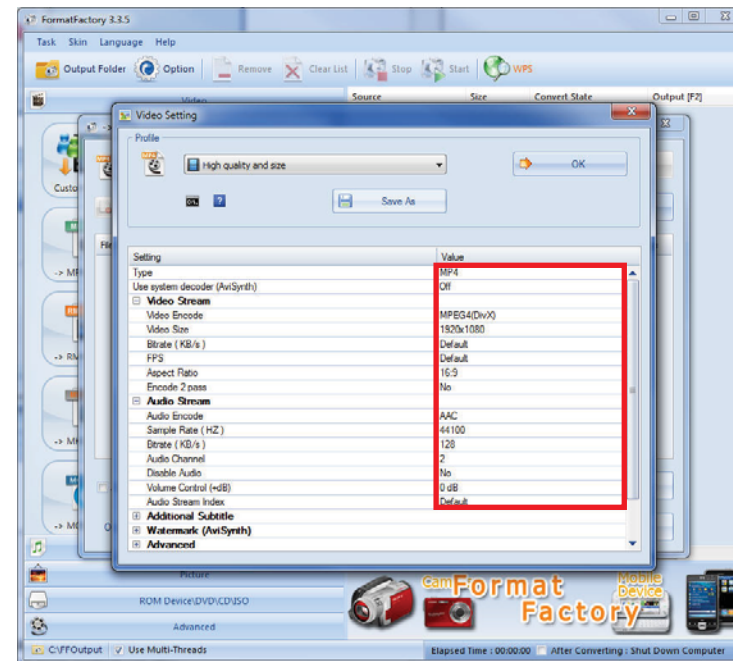
Run the programme and follow the screens:



Click Convert to MP4 from within the video tab on the left hand side.

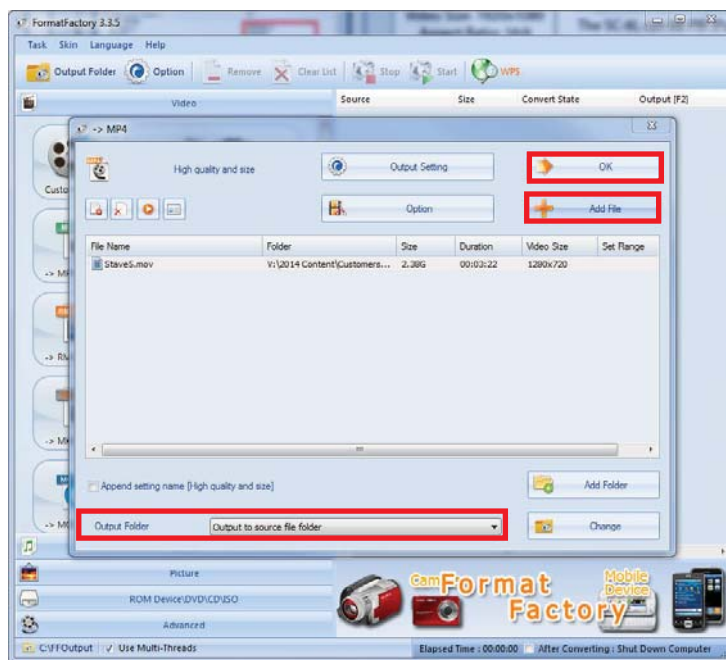


Settings: Select output settings



Select:
Video Size: 1920x1080
Aspect Ratio: 16:9

Then OK.



Click Add File

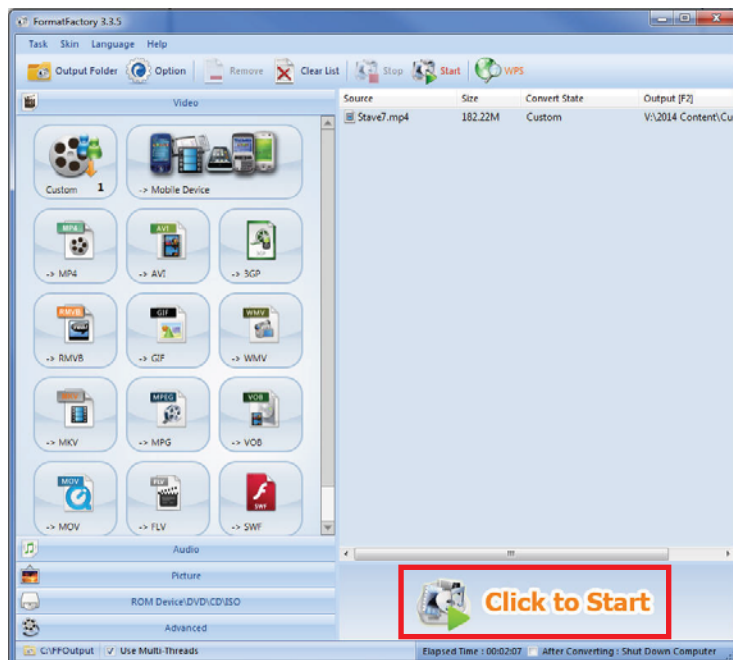
Select the file you would like to convert.

Note or change the output folder where you would like the converted file to go.

Click OK

The converted files will be stored in the folder where the original files are located.

Use these converted files as explained in section [7.Programming content](#).



Click to Start the conversion.